TECHNICAL DATA SHEET

MAXLINER®

Max LinerTube™ VE

Polyester Felt Tube

DESCRIPTION

Max LinerTube™ VE is a non-woven, needle-punched polyester fiber felt with a PU coating that is compatible with most Vinyl Ester and Polyester resins. Tube forming and seam bonding are achieved through a specially designed overlocking chain stitched sewn process — creating a superior, high-performance impermeable liner designed for sweeping bends with very minimal stretch.

TECHNICAL DATA

- **Coating:** PU
- **Carrying Material:** Polyester Felt
- **Seam:** Stitched or Thermal Welded with an extruded tape seam
- **Installation:** Inversion
- **Recommended Curing Method:** Ambient, heat or LED light cure
- **Resin Compatibility:** Specifically designed for MaxPox VE. Can be used with MaxPox®, VertiPox® Epoxy Resin Systems, MaxLight® UV LED Resin Systems, or approved equal

APPLICATIONS

- Open-End (Blindshot) with Calibration Tube
- Closed-End
- Ideal for straight piping applications with minimal stretch.
- May be used on sweeping bends up to 45°.
- Manufactured transitional liners and custom sizes are available.

THICKNESS RANGE

- 3mm and 4.5mm

AVAILABLE MANUFACTURER LENGTHS

- 164′ and 328′ stock lengths (+/-)
- Custom longer lengths available

DIAMETER RANGE

- 3″ and larger



INSTALLATION

Refer to Field Installation Sheet for resin calculations.

- **Vacuum:** -0.5 bar | -15 to -20 Hg
- **Calibration Roller recommended gap setting:** Thickness of liner x 2 + 2mm
- **Installation air pressure:** 7 to 10 psi (may need additional pressure to invert around bends).
- **Curing pressure:** 6 to 8 psi
- **Heat curing:** 120–185°F | 48.9–85°C without CalTube, must use CalTube when steam curing.

Vacuum level shall meet or slightly exceed inversion and curing Pressure. Always use a vacuum with proper vacuum gauge and regulator. Always use a guide tube to contain unsupported liners from radial expansion.

STORAGE/HANDLING

Avoid Extremes of Temperature
- Freezing may cause the coating structure to degrade locally, especially areas where the coating is in tension or compression — at bends and edges, and immediately adjacent to seam welds.
- Recommended storage temperature 40°F – 95°F | 4°C – 35°C.
- Shelf life at this temperature: in excess of 1 year.

Avoid Extremes of Humidity
- Very high relative humidity (especially at high temperatures such as tropical countries) will accelerate the degradation, consequently reducing the shelf life.
- Recommended storage humidity 25% rh – 65% rh.
- Shelf life at 65%, 95°F | 35°C: in excess of 1 year.

Avoid Prolonged Wet Storage
- As with high humidity, the coating is more susceptible to degradation at higher temperatures, and even further susceptible if temperature of liquid in contact is significantly above or below 45°F | 7°C. Wet storage is not recommended

Avoid Direct Sunlight
- Prolonged exposure to the sun's ultraviolet light will accelerate the degradation of the coating. Store away from direct sunlight, preferably in dark conditions.

MECHANICAL DAMAGE SHOULD BE AVOIDED
- Ensure that liner is not placed directly onto grit or gravel floor — sweep and cover floor first.
- Ensure personnel are instructed not to walk on or smoke around the liner.
- Handle with care and ensure safe transport at all times.
- Ensure any rollers are clean, and the liner is not in contact with any sharp edges or snags anywhere during use.

CHEMICAL ATTACK
Avoid prolonged contact with solvents and chemicals.

TECHNICAL SUPPORT
Call technical support with additional questions at (877) 426-5948.

DISCLAIMER
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